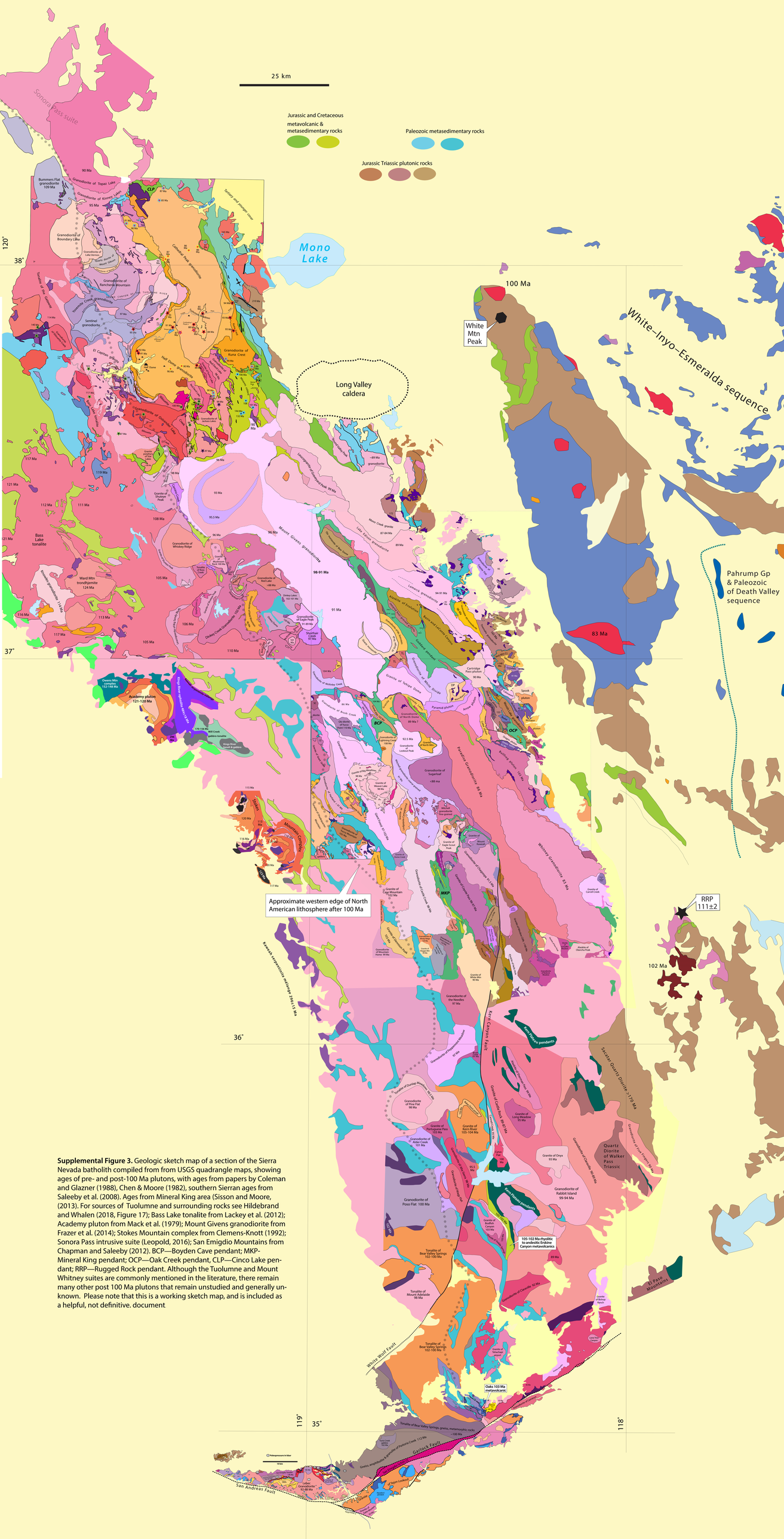
25 km
Jurassic and Cretaceous metavolcanic & metasedimentary rocks
Paleozoic metasedimentary rocks
Jurassic Triassic plutonic rocks
Sonora Pass suite
Mono Lake
Long Valley caldera
White Mtn Peak
100 Ma
White–Inyo–Esmeralda sequence
Pahrump Gp & Paleozoic of Death Valley sequence
83 Ma
Approximate western edge of North American lithosphere after 100 Ma
RRP 111±2
102 Ma
Kern Canyon Fault
Garlock Fault
San Andreas Fault
White Wolf Fault
Sierra Nevada antiform
Kawaiya synform
Ritter Range pendant
Mount Morrison roof pendant
Saddlebag Lake pendant
Koip Peak pendant
Kern Canyon pendants
Sawtooth pendant
Isabella pendant
Tehachapi pendant
Sierra Madre pendant
Salinian block
Mount Givens granodiorite
Papoose Flat pluton
Tinemaha granodiorite
Independence dike swarm
Paleozoic metasedimentary rocks
Tertiary and younger cover
Cretaceous Paleozoic granodiorite
Granodiorite of Kuna Crest
Granodiorite of Rancheria Mountain
Granodiorite of Boundary Lake
Granodiorite of Topaz Lake
Granodiorite of Kinney Lake
Bummers Flat granodiorite 109 Ma
Sentinel granodiorite
Half Dome granodiorite
Cathedral Peak granodiorite
Granodiorite of Ottoson Lake
Granodiorite of Whiskey Ridge
Granodiorite of Lake Edison
Granodiorite of Red Lake
Granodiorite of Eagle Peak
Granodiorite of Sugarloaf
Granodiorite of Table Dome
Granodiorite of Bubbs Creek
Granodiorite of Kearsarge Pass
Granodiorite of Independence Dike Swarm
Granodiorite of Big Whitney
Granodiorite of Mount Whitney
Granodiorite of Cirque Crest
Granodiorite of Lone Pine Creek
Granodiorite of Cottonwood Lakes
Granodiorite of Cottonwood Creek
Granodiorite of Mount Irvington
Granodiorite of Mountain Home
Granodiorite of the Needles
Granodiorite of Templeton Mountain
Granodiorite of Pinewood Canyon
Granodiorite of Pine Flat
Granodiorite of Poso Flat
Granodiorite of Rabbit Island
Granodiorite of Onyx
Granodiorite of Chanchellulla
Granodiorite of Bodfish Canyon
Granodiorite of Tehachapi Pass
Granodiorite of Piute Mountains
Granodiorite of Alder Creek
Granodiorite of Portuguese Pass
Granodiorite of Kern Bluff
Granodiorite of Long Meadow
Granodiorite of Cinco Lake
Granodiorite of Rugged Rock
Granodiorite of Cross Mountain
Granodiorite of Mount Adelaide
Granodiorite of Bear Valley Springs
Granodiorite of Oak Creek
Granodiorite of Mount Abbot
Granodiorite of Mount Pinchot
Granodiorite of Mount Goddard
Granodiorite of Mount Gabb
Granodiorite of Mount Hilgard
Granodiorite of Mount Hitchcock
Granodiorite of Mount Kennedy
Granodiorite of Mount Tom
Granodiorite of Mount Whitney
Granodiorite of Mount Williamson
Granodiorite of Mount Carmel
Granodiorite of Mount Langley
Granodiorite of Mount Bolton Brown
Granodiorite of Mount Pickering
Granodiorite of Mount Barnard
Granodiorite of Mount Russell
Granodiorite of Mount Whitney
Granodiorite of Mount Whitney
Granodiorite of Mount Whitney